

## Case 3393 .

***Dactylozodes* Chevrolat, 1838 (Insecta, Coleoptera): proposed conservation of usage**

C.L. Bellamy

*Plant Pest Diagnostics Branch, California Department of Food & Agriculture, 3294 Meadowview Road, Sacramento, California 95832, U.S.A.*  
(e-mail: cbellamy@cdfa.ca.gov)

T. Moore Rodriguez

*El Vergel 2245, Depto. 28-D, Santiago, Chile* (e-mail: tmoore@terra.cl)

**Abstract.** The purpose of this application, under Article 23.9.3 of the Code, is to conserve the prevailing usage of the widely used generic name *Dactylozodes* Chevrolat, 1838 for a buprestid (jewel beetle) by suppression of its little-used senior subjective synonym *Lasionota* Mannerheim, 1837.

**Keywords.** Nomenclature; taxonomy; Coleoptera; BUPRESTIDAE; *Dactylozodes*; *Lasionota*; *Dactylozodes alternans*; South America; jewel beetles.

---

1. An earlier application for the conservation of the generic name *Dactylozodes* by the same authors was received by the Commission in 2005 (Case 3308) but the case was closed in March 2006 (BZN 63(1): 82) as issues presented in the case were under revision.

2. The generic name *Lasionota* first appeared in the catalogues of Dejean (1833, p. 83; 1836, p. 94), although without description or definition or combination with any available specific name. Therefore, *Lasionota* Dejean is unavailable according to Article 12 of the Code.

3. Unbeknown to most subsequent workers, *Lasionota quadrifasciata* was described by Mannerheim (1837, p. 102) with *Lasionota* available from that act. Subsequently, *Lasionota* Dejean, 1833 was considered as a separate genus from *Dactylozodes* (e.g. Gemminger & Harold, 1869, p. 1394). Lacordaire (1857, p. 55) considered *Lasionota* Mannerheim, 1837 as a senior synonym of *Dactylozodes* Chevrolat, 1838 (e.g. Lacordaire, 1857, p. 55).

4. Chevrolat (1838, p. 79) established the generic name *Dactylozodes* for two new nominal species of buprestid beetles (family BUPRESTIDAE): *D. alternans* Chevrolat, 1838 (p. 80) and *D. tetrazonus* Chevrolat, 1838 (pp. 80–81). Neither was designated as the type species. *Dactylozodes* now includes 43 species and 11 subspecies found in subtropical and temperate regions of southern South America.

5. Gardner (1989, pp. 347–349) summarized the classification of *Dactylozodes* and designated *D. alternans* Chevrolat, 1838 as the type species (p. 347).

6. Moore (1997) revised *Dactylozodes* without reference to *Lasionota*.

7. *Lasionota* Mannerheim, 1837 has not been used as a valid name since Lacordaire (1857, p. 55). Bellamy (1998, pp. 377–378) argued that *Dactylozodes* should be retained in its prevailing use over *Lasionota* Mannerheim, 1837.

8. *Dactylozodes* Chevrolat, 1838 has been used continually since 1857, e.g. Lacordaire (1857, p. 56), Gemminger & Harold (1869, p. 1394), Kerremans (1893, p. 115; 1903, p. 214), Obenberger (1934, p. 769) and Bellamy (2003, p. 58; 2006, p. 150).

9. The International Commission on Zoological Nomenclature is accordingly asked:

- (1) to use its plenary power to suppress the generic name *Lasionota* Mannerheim, 1837 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
- (2) to place on the Official List of Generic Names in Zoology the name *Dactylozodes* Chevrolat, 1838 (gender: feminine), type species by subsequent designation by Gardner (1989) *Dactylozodes alternans* Chevrolat, 1838;
- (3) to place on the Official List of Specific Names in Zoology the name *alternans* Chevrolat, 1838, as published in the binomen *Dactylozodes alternans* (specific name of the type species of *Dactylozodes* Chevrolat, 1838);
- (4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the name *Lasionota* Mannerheim, 1837, as suppressed in (1) above.

## References

- Bellamy, C.L. 1998. A clarification of authorship of buprestid genera originally defined in the catalogues of P.F.M.A. Dejean (Coleoptera, Buprestidae). *Fragmenta Entomologica*, **29**(2): 365–382.
- Bellamy, C.L. 2003. An illustrated summary of the higher classification of the superfamily Buprestoidea (Coleoptera). *Folia Heyrovskyana Supplementum*, **10**: 1–197.
- Bellamy, C.L. 2006. Nomenclatural notes and corrections in Buprestidae (Coleoptera). *The Pan-Pacific Entomologist*, **81**(3/4): 145–158.
- Chevrolat, L.A.A. 1838. Centurie de Buprestides. *Revue Entomologique*, **5**: 41–110.
- Dejean, P.F.M.A. 1833. *Catalogue des Coléoptères de la collection de M. le Comte Dejean*, livraison 1. Pp. 1–96. Méquignon-Marvis, Paris.
- Dejean, P.F.M.A. 1836. *Catalogue des Coléoptères de la collection de M. le Comte Dejean*. Troisième édition, revue, corrigée, et augmentée, livraisons 1–4. Pp. 1–384. Méquignon-Marvis, Paris.
- Gardner, J.A. 1989. Revision of the genera of the tribe Stigmoderini (Coleoptera: Buprestidae) with a discussion of phylogenetic relationships. *Invertebrate Taxonomy*, **3**: 291–361.
- Gemminger, M. & Harold, B. de. 1869. *Catalogus coleopterorum hucusque descriptorum synonymicus et systematicus*, vol. 5. (Buprestidae, Trixagidae, Monommidae, Eucnemidae, Elateridae, Cebrionidae). Pp. 1347–1608. E.H. Gummi, Monachii.
- Kerremans, C. 1893. Essai de groupement des Buprestides. *Annales de la Société entomologique de Belgique*, **37**: 94–122.
- Kerremans, C. 1903. Coleoptera Serricornia. Fam. Buprestidae. Pp. 49–338 in Wytzman. P. (Ed.), *Genera Insectorum*, Fasc. 12b; 12c; 12d. Verteneuil & Desmet, Bruxelles.
- Lacordaire, J.T. 1857. *Histoire naturelle des insectes. Genera des Coléoptères ou exposé méthodique de tous les genres proposés jusqu'ici dans cet ordre d'insectes*, vol. 4. 554 pp. Roret, Paris.
- Mannerheim, C.G. von. 1837. Enumération des Buprestides, et description de quelques nouvelles espèces de cette tribu de la famille des Sternoxes, de la collection de M. Le Comte Mannerheim. *Bulletin de la Société Impériale des Naturalistes de Moscou*, **8**: 1–126.
- Moore, T. 1997. Revision del genero *Dactylozodes* Chevrolat 1837 (Coleoptera, Buprestidae). *Gayana Zoologia*, **61**(1): 57–86.
- Obenberger, J. 1934. Buprestidae 3. Pp. 569–781 in Junk, W. & Schenkling, S. (Eds.), *Coleopterorum Catalogus*, vol. 12, Pars 132. W. Junk, Berlin,

Acknowledgement of receipt of this application was published in BZN 63: 154.

---

Comments on this case are invited for publication (subject to editing) in the *Bulletin*: they should be sent to the Executive Secretary, I.C.Z.N., c/o Natural History Museum, Cromwell Road, London SW7 5BD, U.K. (e-mail: iczn@nhm.ac.uk).